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Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A semiconductor device comprising:

a driven circuit comprising a first transistor;

a signal line electrically connected to the first transistor through a node; and

a first precharge circuit electrically connected to the signal line and comprising a second transistor;

wherein[[:]] a gate electrode of the first transistor is connected to a drain electrode of the first transistor through a switch,

wherein a gate electrode of the second transistor is electrically connected to a drain electrode of the second transistor,

wherein a gate width of the second transistor is larger than a gate width of the first transistor, and

wherein the first precharge circuit is configured to perform a precharge of the driven circuit a precharge voltage is supplied to the node through the signal line prior to supplying a signal current to the driven circuit.

2-6. (Cancelled)

7. (Previously Presented) The semiconductor device according to claim 1, further comprising an impedance transformation amplifier.

8-17. (Cancelled)

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18. (Currently Amended) A semiconductor device comprising:

- a driven circuit comprising a first transistor;
- a precharge circuit comprising a second transistor;
- a first switch for controlling an electrical connection between the driven circuit and the precharge circuit; and
- a second switch for controlling an electrical connection between the driven circuit and [[the]]a current source circuit[[.]],

wherein a gate electrode of the first transistor is connected to a drain electrode of the first transistor through a third switch,

wherein a gate electrode of the second transistor is electrically connected to a drain electrode of the second transistor, and

wherein a gate width of the second transistor is larger than a gate width of the first transistor.

- 19. (Cancelled)
- 20. (Currently Amended) A semiconductor device comprising:
- a driven circuit comprising a first transistor;

plural precharge circuits;

plural current source circuits <u>configured to input</u> for inputting a signal current to the driven circuit;

- a first switch for controlling an electrical connection between the driven circuit and the plural precharge circuits; and
- a second switch for controlling an electrical connection between the driven circuit and the plural current source circuits.
- 21. (Currently Amended) The semiconductor device according to claim 20, further comprising plural amplifier circuits for amplifying configured to amplify currents outputted from the plural precharge circuits.

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22-27. (Cancelled)

28. (Currently Amended) The semiconductor device according to claim 18 [[22]], wherein a gate and a drain of the second transistor are connected to each other.

29-58. (Cancelled)

- 59. (Currently Amended) The semiconductor device according to claim 18, further comprising an amplifier circuit for amplifying configured to amplify a signal current outputted from the precharge circuit.
- 60. (Previously Presented) The semiconductor device according to claim 20, wherein at least one of the plural precharge circuits comprises a second transistor.

61-62. (Cancelled)

- 63. (Previously Presented) The semiconductor device according claim 60, wherein a gate and a drain of the second transistor are connected to each other.
- 64. (Previously Presented) The semiconductor device according to claim 7, wherein the impedance transformation amplifier is a source follower circuit.
- 65. (Previously Presented) The semiconductor device according to claim 21, wherein at least one of the plural amplifier circuits is a source follower circuit.
- 66. (Previously Presented) The semiconductor device according to claim 59, wherein the amplifier circuit is a source follower circuit.

67-70. (Cancelled)

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71. (New) The semiconductor device according to claim 1, wherein a gate electrode of the second transistor is connected to the drain electrode of the second transistor.

- 72. (New) The semiconductor device according to claim 1, wherein the precharge is performed by supplying a precharge voltage to the node.
- 73. (New) The semiconductor device according to claim 1, wherein the precharge circuit is included in a current drive circuit.
- 74. (New) The semiconductor device according to claim 18, wherein the precharge circuit is included in a current drive circuit.
- 75. (New) The semiconductor device according to claim 20, wherein the plural precharge circuits and plural current source circuits are included in a current drive circuit.
 - 76. (New) A semiconductor device comprising:
 - a driven circuit comprising a first transistor;
 - a signal line electrically connected to the first transistor through a node;
- a first precharge circuit electrically connected to the signal line and comprising a second transistor;

wherein a gate electrode of the first transistor is connected to a drain electrode of the first transistor through a switch,

wherein a gate electrode of the second transistor is electrically connected to a drain electrode of the second transistor,

wherein a gate length of the second transistor is smaller than a gate length of the first transistor, and

wherein the first precharge circuit is configured to perform a precharge of the driven circuit prior to supplying a signal current to the driven circuit.

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77. (New) The semiconductor device according to claim 76, further comprising an impedance transformation amplifier.

- 78. (New) The semiconductor device according to claim 76, wherein a gate electrode of the second transistor is connected to the drain electrode of the second transistor.
- 79. (Previously Presented) The semiconductor device according to claim 77, wherein the impedance transformation amplifier is a source follower circuit.
- 80. (New) The semiconductor device according to claim 76, wherein the precharge is performed by supplying a precharge voltage to the node.
- 81. (New) The semiconductor device according to claim 76, wherein the precharge circuit is included in a current drive circuit.
 - 82. (New) A semiconductor device comprising:
 - a driven circuit comprising a first transistor;
 - a precharge circuit comprising a second transistor;
- a first switch for controlling an electrical connection between the driven circuit and the precharge circuit; and
- a second switch for controlling an electrical connection between the driven circuit and a current source circuit,

wherein a gate electrode of the first transistor is connected to a drain electrode of the first transistor through a third switch,

wherein a gate electrode of the second transistor is electrically connected to a drain electrode of the second transistor, and

wherein a gate length of the second transistor is smaller than a gate length of the first transistor.

83. (New) The semiconductor device according to claim 82, further comprising a current source circuit configured to input a signal current to the driven circuit.

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84. (New) The semiconductor device according to claim 82, further comprising an amplifier circuit configured to amplify a signal current outputted from the precharge circuit.

- 85. (New) The semiconductor device according to claim 82, wherein the gate and the drain of the second transistor are connected to each other.
- 86. (Previously Presented) The semiconductor device according to claim 84, wherein the amplifier circuit is a source follower circuit.
- 87. (New) The semiconductor device according to claim 82, wherein the precharge circuit is included in a current drive circuit.